

<u>Days</u>	<u>Topic</u>	<u>CA Standards Addressed</u> * Bold Standards should be mastered by the end of the unit and they encompass all sub standards within them.
1 - 3	Class Business	
4	Benchmark #1	All
5	What is Life Science?	All
6	Ecology Vocabulary	6
7-15	Ecology- Effects on Ecosystems: Biodiversity, Competition, Cooperation, Climate, Population Growth/Decrease, Human Activity, Native vs. Non-native species	6.a, 6.b, 6.c
16-21	Ecology- Abiotic and Biotic factors of the ecosystem	6.d
22-30	Ecology- Producers, Decomposers, Food Web, Food Pyramids	6.e, 6.f
31	Ecology Unit Exam	6
32	Evolution Vocabulary	7 and 8
33-46	Evolution- Natural Selection and Variation (Biodiversity) Fossil Evidence	7.a, 7.d, 6.a, 8.a, 8.b, 8.c, 8.e
47-49	Evolution- Mutations and Inheritance of Lethal Alleles	7.b, 7.c
50-53	Evolution- Isolation, Speciation	8.d
54	Evolution Exam	7 and 8
55	Physiology Vocabulary-Nervous System	9
56-59	Physiology- Overview of all major mammalian systems Major body systems provide body with O ₂ and remove CO ₂	9.a
60-68	Physiology- Nervous system (nerve cells, communication, regulation, feedback loops)	9.b, 9.c, 9.d, 9.e
69	Physiology Test-Nervous System	9
70	Benchmark #2	All
70	Physiology Vocabulary-Immune System	10
71-79	Physiology- Immunity (Non-Specific vs. Specific defenses against infection, Vaccination, Bacteria, Viruses, HIV, Auto-immune disorders)	10.a, 10.b, 10.c, 10.d, 10.e
80	Physiology Test-Immune System	10
81	Cellular Biology Vocabulary	1
82-85	Cellular Biology- Cell Structure and Function of Organelles	1.a, 1.e, 1.g
86-90	Cellular Biology-	1.b, 1.f, 1.g

	Enzymes and Biochemical Reactions, Photosynthesis, Respiration	
91	Final Exam (Estimated Date)	1, 6, 7, 8, 9, 10
92-93	Cellular Biology- Cellular Transport	1.a
94-99	Cellular Biology- Prokaryotic Cells, Eukaryotic Cells, Bacteria and Viruses	1.c
100	Cellular Biology Exam	1
101	Genetics Vocabulary-Mitosis/Meiosis	2
102-115	Genetics- Mitosis and Meiosis	2.a, 2.b, 2.c, 2.d, 2.e, 2.f
116	Genetics-Mitosis/Meiosis Exam	2
117	Genetics Vocabulary-Heritability, Genotype, Phenotype	3
118-123	Genetics- Punnett Squares, Predicting Genotype/Phenotype, Mendel’s Law of Segregation, Heritability	3.a, 2.g, 3.b
124	Genetics Vocabulary-DNA/RNA Structure, Function, Replication, Transcription	4 and 5
125-134	Genetics- DNA/RNA structure, function, replication, transcription, base pairing,	4.a, 4.b, 4.c, 4.d, 4.e, 5.a, 5.b
135-136	Genetics- Biotechnology	5.c
137	Genetics Exam	3, 4, and 5
138	Benchmark # 3	All
139-153	Review for CST Testing	Individualized Lessons for Students
154-158	Dissection of Fetal Pig	9
159-170	Agriculture Research Projects/Papers	Varies for all students
171-174	Review for Final Exam	All
176-180	Final Exam	All